Application No. 09/993,866
Amendment Dated September 22, 2005
Reply to the Office Action of June 24, 2005

Amendments to the Claims

The claims in the following Listing of Claims will replace all prior versions, and listings of claims in

the application.

Listing of Claims

1.   (Currently Amended) A computer system comprising:

a display device having a display area on a display screen thereof, wherein, out of target data to

be displayed in said display area, one or multiple first data sets, the contents of which are actually

displayed, and one or multiple first predetermined icons, which represent one or multiple first data

groups of the target data other than said first data sets and the contents of which are not displayed,

are presented in said display area; and

by the operation of selecting at least one of said first predetermined icons, one or multiple

second data sets, the contents of which are actually displayed, and one or multiple second

predetermined icons, which represent one or multiple second data groups of the target data other

than said first and second data sets and the contents of which are not displayed, are presented

together with said first data sets in said display area; wherein said first predetermined icons and said

second predetermined icons are correlated with the first data rows and the number of data rows of

said first data groups and said second data groups, respectively.

2.   (Previously Presented) The computer system according to Claim 1, wherein said first data

sets and said first data groups are sorted in the ascending order or in the descending order, and said

first data sets and said first predetermined icons are presented in sorting orders thereof.

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3.   (Currently Amended) The computer system according to ~~Claim 2~~ Claim 1, wherein said first data sets include the first and the last data of said target data.

4.   (Canceled)

5.   (Canceled)

6.   (Currently Amended) The computer system according to ~~Claim 5~~ Claim 1, wherein the selection of one or more data rows from said first data sets or said second data sets is a data entry operation.

7.   (Currently Amended) The computer system according to ~~Claim 6~~ Claim 1, wherein said target data is recorded in a different computer system connected to said computer system via communication means, and the contents of said first and second data groups are not transmitted from said different computer system to said computer system.

8.   (Currently Amended) A data display method, for displaying target data in a display area on the display screen of a computer system, comprising the steps of:

identifying first data sets, which are included in said target data to be displayed in said display area and the contents of which are actually displayed in said display area;

identifying first data groups, which are included in said target data other than said first data sets and the contents of which are not displayed in said display area;

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reading said first data sets from a recording area wherein said target data is stored and

displaying said first data sets in said display area; ~~and~~

presenting first predetermined icons representing said first data groups in said display area;

selecting at least one of said first predetermined icons;

identifying second data sets, which are included in said first data groups and the contents of

which are actually displayed in said display area;

identifying second data groups, which are included in said first data groups other than said

second data sets and the contents of which are not displayed in said display area;

reading said second data sets from said recording area where said target data is stored and

displaying said second data sets in said display area; and

presenting second predetermined icons that represent said second data groups in said display

area.

9.   (Canceled)

10.   (Currently Amended) The data display method according to ~~Claim 9~~ Claim 8, wherein

said first data sets and said first data groups are sorted in the ascending order or in the descending

order, and said first data sets and said first predetermined icons are presented in sorting orders

thereof.

11.   (Currently Amended) The data display method according to ~~Claim 10~~ Claim 8, wherein

said first and second predetermined icons are correlated with the first data rows and the number of

data rows of said first and second data groups, respectively.

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12.   (Currently Amended) The data display method according to ~~Claim 11~~ Claim 8, wherein

said first or second predetermined icons that represent said first or second data groups respectively,

are presented and a reading pointer for said target data is skipped by the number equivalent to the

number of data rows of said first or second data groups, while said step of reading and displaying

said first or second data sets is repeated for said target data located immediately after said reading

pointer.

13.   (Original) The data display method according to Claim 12, wherein said reading and

displaying step is repeated until all said target data are displayed in said display area.

14.   (Currently Amended) A data display system, for displaying target data in a display area

on the display screen of a computer system, comprising:

means for identifying first data sets, which are included in said target data to be displayed in

said display area and the contents of which are actually displayed in said display area;

means for identifying first data groups, which are included in said target data other than said

first data sets and the contents of which are not displayed in said display area;

means for reading said first data sets from a recording area wherein said target data is stored,

and means for displaying said first data sets in said display area; ~~and~~

means for presenting first predetermined icons representing said first data groups in said

display area;

means for selecting at least one of said first predetermined icons;

means for identifying second data sets, which are included in said first data groups and the

contents of which are actually displayed in said display area;

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means for identifying second data groups, which are included in said first data groups other than said second data sets and the contents of which are not displayed in said display area;

means for reading said second data sets from said recording area where said target data is stored, and means for displaying said second data sets in said display area; and

means for presenting second predetermined icons representing said second data groups in said display area.

15.   (Canceled)

16.   (Currently Amended) The data display system according to ~~Claim 15~~ Claim 14, further comprising:

means for correlating said first and second predetermined icons with the first data rows and the number of data rows of said first and second data groups, respectively.

17.   (Currently Amended) The data display system according to ~~Claim 16~~ Claim 14, further comprising:

means for presenting said first or second predetermined icons that represent said first or second data groups, means for skipping a reading pointer for said target data by the number equivalent to the number of data rows of said first or second data groups, and means for repeating, for said target data located immediately after said reading pointer, a step of reading and displaying said first or second data sets.

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18.   (Currently Amended) An article of manufacture comprising a program storage device

readable by a computer and tangibly embodying one or multiple programs of instructions executable

by the computer to perform method steps for displaying target data in a display area on the display

screen of the computer system, the method comprising the steps of:

identifying first data sets, which are included in said target data to be displayed in said display

area and the contents of which are actually displayed in said display area;

identifying first data groups, which are included in said target data other than said first data sets

and the contents of which are not displayed in said display area;

reading said first data sets from a recording area wherein said target data is stored and

displaying said first data sets in said display area; and

presenting first predetermined icons representing said first data groups in said display area;

selecting at least one of said first predetermined icons;

identifying second data sets, which are included in said first data groups and the contents of

which are actually displayed in said display area;

identifying second data groups, which are included in said first data groups other than said

second data sets and the contents of which are not displayed in said display area;

reading said second data sets from said recording area where said target data is stored and

displaying said second data sets in said display area; and

presenting second predetermined icons that represent said second data groups in said display

area.

19.   (Canceled)

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